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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

SHELL S. SIMPSON, WARD S. FOSTER
and KRIS R. LIVINGSTON

HP Docket No. 10007689-1

Serial No. : 09/941,038

Examiner T. Lamb

Filed : August 27, 2001

Group Art Unit 2622

For : PRIVATE PRINTING USING NETWORK-BASED IMAGING

Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

DECLARATION UNDER § 1.131

We declare as follows:

1. We are inventors who, on August 27, 2001, filed the above-identified application. At the time of such invention, we were employees of Hewlett-Packard Company.
2. Prior to October 16, 2000, the effective date of U.S. Patent No. 6,859,832 to Gecht et al., we conceived of our invention, and diligently worked toward reducing our invention to practice.
3. Invention Disclosure 10007689 (which has a descriptive title "Private Printing using Web-based Imaging") is attached hereto as Exhibit 1. Invention Disclosure 10007689 was prepared prior to the October 16, 2000 effective date of U.S. Patent No. 6,859,832 to Gecht et al.

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4. At the time of preparing Exhibit 1, which preceded October 16, 2000, we had conceived of a method, implemented on a client computing device, the method comprising: displaying a web page representing a printer to a user, the web page including a user-selectable option to enable private printing on the printer; receiving a user selection of the option to enable private printing; and communicating the user selection to the printer.

5. We also had conceived of a method implemented on a client computing device, the method comprising: displaying a web page representing a printer to a user, the web page including a user-selectable option to enable private printing on the printer; receiving a user selection of the option to enable private printing; and communicating the user selection to the printer via a secure connection.

6. We also had conceived of computer readable media having stored thereon a plurality of instructions that, when executed by one or more processors of a computing device, causes the one or more processors to perform acts including: displaying, based on device content received from a network service, an interface including a user-selectable option to enable private printing on a printer represented by the network service; receiving, from a user of the computing device, a selection of the option to enable private printing; and sending the user selection to the printer to be used in printing a print request from the user.


7. Following our conception prior to October 16, 2000, we diligently worked toward reducing our inventions to practice, and on August 27, 2001, filed the present patent application.

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8. All acts set forth herein and/or relied upon for the purpose of establishing invention prior to October 16, 2000 were carried out in the United States.


9. We declare that all statements made herein of our own knowledge are true and all statements made on information and belief are believed to be true. These statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under § 1001 of Title 18 of the United States Code. We understand that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Date: 12/20/2005



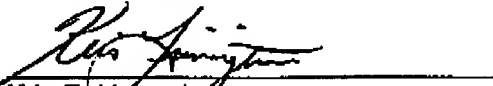
Shell S. Simpson

Date: 12/20/2005




Ward S. Foster

Date: 12-21-2005



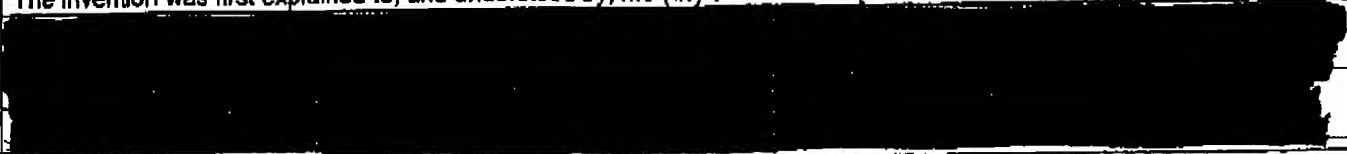


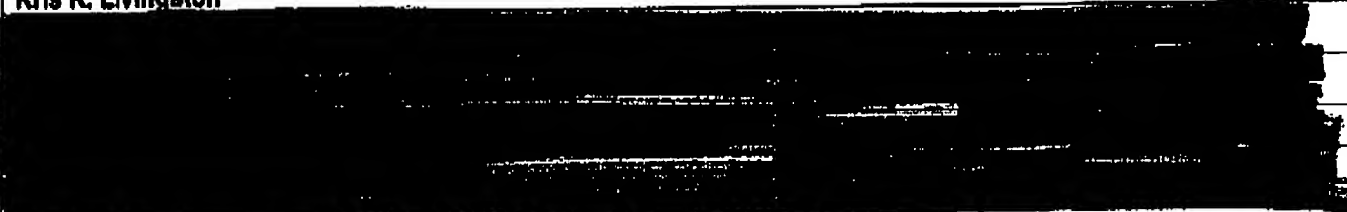
Kris R. Livingston

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 HEWLETT PACKARD	INVENTION DISCLOSURE PDNO <u>10007689</u>	DATE RCVD <u>[REDACTED]</u>	PAGE ONE OF <u>1</u> ATTORNEY <u>[REDACTED]</u>
<i>Instructions: The information contained in this document is COMPANY CONFIDENTIAL and may not be disclosed to others without prior authorization. Submit this disclosure to the HP Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared, and submitted to the Government.</i>			
Descriptive Title of Invention: Private Printing using Web-based Imaging			
Name of Project: N/A			
Product Name or Number: N/A			
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Was this invention made under a government contract? If so, the agency and contract number: NO			
Description of Invention: <i>Please preserve all records of the invention and attach additional pages for the following. Each additional page should be signed and dated by the inventor(s) and witness(es).</i>			
A. Prior solutions and their disadvantages (if available, attach copies of product literature, technical articles, patents, etc.). B. Problems solved by the invention. C. Advantages of the invention over what has been done before. D. Description of the construction and operation of the invention (include appropriate schematic, block, & timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)			
Signature of Inventor(s): Pursuant to my (our) employment agreement, I (we) submit this disclosure on this date: <u>[REDACTED]</u> .			
	[REDACTED] Shell Simpson Employee No. Name	[REDACTED] Telnet Mailstop	[REDACTED] Entity & Lab Name
	[REDACTED] Ward S. Foster Employee No. Name	[REDACTED] Telnet Mailstop	[REDACTED] Entity & Lab Name
	[REDACTED] Kris R. Livingston Employee No. Name	[REDACTED] Telnet Mailstop	[REDACTED] Entity & Lab Name
(If more than four inventors, include additional information on another copy of this form and attach to this document)			

BEST AVAILABLE COPY Exhibit 1

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HEWLETT-PACKARD	INVENTION DISCLOSURE	COMPANY CONFIDENTIAL	PAGE ____ OF ____
Signature of Witness(es): <i>(Please try to obtain the signature of the person(s) to whom invention was first disclosed.)</i>			
The invention was first explained to, and understood by, me (us) on this date: []			
			
Inventor & Home Address Information: <i>(If more than four inventors, include addl. information on a copy of this form & attach to this document.)</i>			
Inventor's Full Name			
Shell Sterling Simpson			
			
Inventor's Full Name			
Ward Scott Foster			
			
Inventor's Full Name			
Kris R. Livingston			
			

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Description of Invention: Please preserve all records of the invention and attach additional pages for the following. Each additional page should be signed and dated by the inventor(s) and witness(es).

A. Description of the construction and operation of the invention (include appropriate schematic, block, & timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)


User collects imaging information through web-based imaging from a variety of sources, then browses to printer, chooses "Private Printing", sets "PIN", and prints. The printer retains job and prints the job only after the user provides the indicated PIN. In a variation, user simply chooses "Start Printing When I'm at Printer", prints, walks to printer, printing starts, user picks up print job. This works using proximity sensors in PC and printer and having a proximity beacon worn by the user. The PC's proximity sensor is available to content from the printer through the web-based imaging capabilities in the browser. The printer begins printing when it senses that the user is "in proximity". In another variation, printing only begins when the user is in proximity and indicates that printing should begin. In yet another variation, the user must be in proximity and they must enter a pin supplied before printing will begin.

B. Advantages of the invention over what has been done before.

User can easily use private printing. In one variation, private printing doesn't even require entering a pin.

C. Problems solved by the invention.

Makes private printing easier to use making the need for local printers much less pronounced (for privacy). Private printing is also much more available through web-based imaging. (Currently, private printing is only available if the platform in question supplies a driver that supports it. The user must also configure their driver to know if the printer has this capability. Very few users know to do this.)



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